



Marine & Offshore

Certificate number: SMS.LAB.320/111407/B.0

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RECOGNITION OF TEST LABORATORY

Element Materials Technology
Mülheim - GERMANY

Summary of the range of the recognition which is detailed in the subsequent page(s):

Structural mechanical and metallographic testing,
selected corrosion tests and chemical tests using stationary and mobile tests
(ultrasonic test, magnetic particle test, penetrant test and visual test)
on metallic materials

This certificate is issued to attest that Bureau Veritas Marine & Offshore has performed, at the above company's request and in compliance with the requirements of NR320, a satisfactory assessment of the testing facilities and associated quality procedures related to the range of the recognition.

This certificate will expire on: 06 Jun 2028

For Bureau Veritas Marine & Offshore,
At BV ESSEN, on 26 Feb 2025,
Joachim Altmeyen

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF RECOGNITION

1. RANGE OF THE RECOGNITION

Type of test	Test standard	Test witnessing requirements	Remark
Bend Test	DIN EN ISO 7438, DIN EN ISO 5173, SEP 1390	Tests to be witnessed	+ASTM E190/290
Chemical Analysis	EHH-3-002D, EHH-3-004D, EHH-3-005D	See details below	REVIEW
Corrosion Test	DIN EN ISO 3651-1/-2, SEP 1877	See details below	REVIEW - ASTM A262/G28/G48
Drift expanding test	DIN EN ISO 8495	Tests to be witnessed	
Dye Penetrant Testing	DIN EN ISO 3452-1, DIN EN 1371-1/-2	See details below	REVIEW
Flattening test	DIN EN ISO 8492	Tests to be witnessed	
Hardness Test	DIN EN ISO 9015-1/2, 6506-1/6507-1/6508-1, DIN EN ISO 2639	See details below	REVIEW
Impact Test	DIN EN ISO 148-1	See details below	REVIEW - ASTM E23
Magnetic Particle Examination	DIN EN ISO 9934-1, DIN EN ISO 17638, DIN EN 1369	See details below	REVIEW
Metallographic Examination	DIN 50602, DIN EN 10247, ISO 4967	See details below	REVIEW - ASTM E112/E45, ASTM A923
Ring expanding test	DIN EN ISO 8493	Tests to be witnessed	
Ring tensile test	DIN EN ISO 8496	Tests to be witnessed	
Tensile Test	DIN EN ISO 6892-1/2, DIN EN ISO 4136, DIN EN 10164	Tests to be witnessed	ASTM E8/E21
Ultrasonic Testing	DIN EN ISO 10893/16826, 17640, DIN EN 10160	See details below	REVIEW - SEL 072, SEP 1915/1917/1921/1923

2. LIMITATIONS

Bureau Veritas Marine & Offshore is to be informed immediately of any modification to testing facilities and associated quality procedures in order to agree on appropriate actions.

Element Materials Technology has to carry out and report the tests in compliance with the relevant testing standard(s) and has to make the necessary arrangements to comply with the witnessing requirements agreed with Bureau Veritas Marine & Offshore.

Element Materials Technology has to apply for the periodical audits as agreed with Bureau Veritas Marine & Offshore.

3. REMARKS

Element Material Technology Hamburg GmbH
Labor Mülheim
Lahnstr. 26
45478 Mülheim

*** END OF CERTIFICATE ***